

## ABSTRACT

A reversible multicolor thermal recording medium capable of recording and erasing repeatedly high-contrast clear images free of color fogging without causing color deterioration and a method for recording on the recording medium.

The reversible multicolor recording medium includes recording layers numbered from the first to the  $n$ th, which are formed on a supporting substrate separately and independently in sequential order, the recording layers each containing a reversible thermal color developing composition differing from one another in the hue of the developed color and further containing a light-heat converting composition which generates heat upon absorption of near infrared rays with a wavelength in different ranges, and the recording layers having respectively the absorption peak wavelengths  $\lambda_{\max 1}$ ,  $\lambda_{\max 2}$ , ...,  $\lambda_{\max n}$ , in the near infrared region such that  $1500 \text{ nm} > \lambda_{\max 1} > \lambda_{\max 2} > \dots > \lambda_{\max n} > 750 \text{ nm}$ .